AMENDE**D**

APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office	APR 5 1979	
• •	AUG 2 3 1979	
Corrected application filed		
	SEP 4 1979 under 37712	
		-
	epublic Geothermal, Inc.	
11823 E. Slauson Ave. Street and No. or P.O. Box	. Suite One, of Santa Fe Spring No. City or Town	<u>S</u>
California 90670 State and Zip Code No.	hereby make application for permission to appro	opriate the public
	einafter stated. (If applicant is a corporation, give date and pl	ace of incorpora-
Nevada on August 15.	give names of members.) Incorporated in the S 1973 and reincorporated in the State wholly owned subsidiary on September	Or Carir-
1. The source of the proposed appro	opriation is Well No. 68-14 (Underground Name of stream, lake or other source.)
2. The amount of water applied for	is	second-feet
	One second-foot equals 448.83 gals, per min. aber of acre-feet	
	ndustrial	
-	Irrigation, power, mining, manufacturing, domestic, or other use.	
4. If use is for:		
; , , , , , , , , , , , , , , , , , , ,	res to be irrigated)	
	l kinds of animals to be watered)	
(c) Other use (describe fully und	ler "No. 12. Remarks")	·····
(d) Power:		
(1) Horsepower developed		~
• •	to stream	
5. The water is to be diverted from	its source at the following point: SW4SE4 Section	14, T24N.
R36E, MDB&M, or at a Describe as being within a 40-acre so	point from which the NW corner of se subdivision of public survey, and by course and distance to a section corner. If on	ction 5. unsurveyed land,
	ars N38°23'00"E 20,003.9 feet.	
6. Place of use Federal Geo	othermal Lease Nos. N 12861 and N 172 Describe by legal subdivision, if on unsurveyed land it should be so stated.	82 : all
of Sections 11,14, 15	5 and 23, T24N, R36E, MDB&M and all	of Sections
2,3 & 13 and E_2^1 Sect:	ion 11, T24N, R37E, MDB&M.	
7. Use will begin aboutJanua.	ry 1 and end about <u>December 31</u> , of each Day and Month	year.
	(Under the provisions of NRS 535.010 you may be required to	
	or storage works.) Drill well to a depth of	
feet, install casing State manner in which water is to be	and cement back to surface to protec diverted, whether by dam or other works, whether through pipes, ditches, flumes,	t fresh water or other conduits.
zonesHot water or	steam.will.flow.through.pipeline.to	electric
generating facility.		`++==***

9. Estimated cost of works \$900,000
10. Estimated time required to construct works. three years
11. Estimated time required to complete the application to beneficial use five years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
This application is for a geothermal well with a maximum production of about 5.0 million gallons per day. The maximum withdrawal will be about 5.615 acre feet per year; however, the high temperature was would be flashed with the net effect of 500,000 gallons per day be beneficially used and the remaining water returned to the reservoir so a maximum of only 562 feet per year is actually used. This application is submitted in conjunction with the other applications.
Applicant Republic Geothermal. Inc.
By s/ Timothy M. Evans Timothy M. Evans, Vice President 11823 E. Slauson Ave., Suite One Santa Fe Springs, California 90670
APPROVAL OF STATE ENGINEER
This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:
This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times. There are to be no perforations in the well for at least the first 5,000 feet. The well is to be cemented from at least the 5,000 foot level to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially and fresh, cold water aquifers are not to be diverted. This permit is further issued subject to the condition that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises. The total combined duty of water under this permit and Permits 37712, 37714. 37715, 37716 shall not exceed 5615.0 acre-feet annually.
The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and
not to exceed 7.7 cubic feet per second . but not to exceed a total
of: 5615.0 acre-feet annually from Permits 37712, 37713, 37714, 37715, and 37716 combined
Actual construction work shall begin on or before September 19, 1980
Proof of commencement of work shall be filed before 0ctober 19, 1980
Work must be prosecuted with reasonable diligence and be completed on or before
Proof of completion of work shall be filed before
Application of water to beneficial use shall be made on or before
Proof of the application of water to beneficial use shall be filed on or before
Map in support of proof of beneficial use shall be filed on or before
Commencement of work filed. Completion of work filed. Proof of beneficial use filed. Cultural map filed. Certificate No. Bk Page IN TESTIMONY WHEREOF, I WILLIAM J. NEWMAN State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 19th day of MARCH. A.D. 19 80 A.D. 19 80
County Recorder NOV 1 4 1983